

PROFESSOR TAYLOR TELLS FACULTY OF HIS EUROPE TRIP

Great Amount of Research in Engineering Going on Abroad, He Says

DISCUSSES DIESEL ENGINE

Professor Peter Schwamb Lauded for Work at M.I.T. by Resolution

At this month's meeting of the faculty held November 21 the main attraction was a talk by Professor Charles F. Taylor on his trip to Europe and the progress in engineering. He told the faculty of his visits to the research laboratories all over Europe and compared their methods with those which are used here in United States. He looked over the latest internal combustion engines, especially those being constructed in his own field, aeronautics.

A great amount of research is going on in Europe in engineering and the application of the Diesel engine to automobiles, ships, and aircraft is being carefully studied. He explained their progress in this field and in other fuel engines.

The faculty then made a eulogy about former Professor Peter Schwamb '78 who taught in the Mechanical Engineering Course and who worked up from an instructor to the head of the department. Professor Schwamb died at Arlington on Saturday, November 3 and in memory of his excellent work at the Institute they lauded him. A copy of the eulogy was sent to Mrs. Schwamb to express the faculty's appreciation of his cooperation with them.

LIBERAL CLUB MAY HEAR FAMOUS LAWYER

Clarence Darrow Asked to Speak to Liberal Club Monday

Although they have not yet received definite word, the Liberal Club may have as their next speaker Clarence Darrow. If Mr. Darrow consents to speak, he will do so at a special meeting either Monday or Tuesday. The time and date of this meeting if the Liberal Club is successful in securing this well-known speaker, will be announced in a later issue.

The brilliant career of Clarence Darrow is well-known and the Liberal Club will consider itself fortunate if it succeeds in getting him to speak. Mr. Darrow has been a participant in some of the most sensational law cases in the history of the United States. Among these are the Leopold and Loeb case and the Scopes trial. He has always been greatly interested in taking up the cause of the minority wherever his views coincided with theirs.

H. C. LYTGOE SPEAKS AT CHEMICAL SMOKER

Hermann C. Lythgoe '96, Director of the Division of Food and Drugs of the Department of Public Health of Massachusetts addressed the Chemical Society Smoker in North Hall last Tuesday night at 8 o'clock.

Mr. Lythgoe told the audience of the work of his department and of various cases in which it apprehended violators of the pure food and drugs acts. One point which he particularly emphasized in the course of his speech was the fact that scientific men must learn to talk the language of those to whom they are speaking if they wish to convince them of the worth of their services. He cited several court cases in which this was proved.

After the address three copies of "The Handwriting on the Wall" by Arthur D. Little '85 were raffled off and were won by Paul H. Roever '30, Elmer W. Harmon '30, and Wallace G. Hope '30. Following this refreshments of cider and doughnuts were served.

THE TECH 31--Technique 0



Left--THE TECH team. Center--"Larry" Hamlin and "Dave" Bremner shake hands before the game. Right--Houston makes the first touchdown.

DISCUSS AVIATION AT A. E. S. MEETING

Illustrated Talk by Frederic Celler Given on French Aeronautics

Illustrating his talk with slides of various types of aerial motors and latest developments in aircraft design, Frederic A. Celler, President of the Flying Club addressed the A. E. S. smoker Wednesday evening in Room 5-130 at 7:30 o'clock on "French Aeronautics and the Paris Show."

In the course of his talk he mentioned several outstanding differences between American and French aerial construction. In France, Mr. Celler explained, the tendency is to streamline the planes more than we do in this country. As a result of this tendency, they favor the water cooled motor since it is easier to streamline than the aircooled motor. Another feature in which the designs differ is the prevailing use of flying boats instead of seaplane with pontoons. He mentioned a new motor which is equipped with an air purifier and also a recent experiment to demonstrate the superiority of a specially treated steel for use in engine construction. At the conclusion of his talk the discussion became general with the floor open to those who wished to ask questions.

The society will soon be in possession of two gliders. A steel tube front end will be mounted on the present glider and two wings were found which were built when Professor Edward P. Warner was active at the Institute. The members will design a fuselage, the wings will be covered and doped, and the society will have another glider.

TECH SHOW ISSUES CALL FOR 1929 CAST

Tryouts Will be Held in Walker Next Tuesday Night at 7:45

William C. Greene, coach of the 1929 Tech Show, will conduct tryouts for the cast of this year's production in the Show office, 301 Walker Memorial, next Tuesday night at 7:45 o'clock.

Since quite a few skits have been received, there will be a number of parts to be filled. The characters for which candidates will try out Tuesday evening will be those of six New England farmers, four sailors, six policemen, twelve pirates, and three children. The policemen and pirates must be able to sing as well as to dance.

Within the next week there will probably be many additional parts to be filled in the various skits that are now being written. It is expected that they will be finished by that time. As yet, the Show was not decided upon a name, but will probably announce one in the near future. As soon as the title has been picked, a competition for posters will start.

There will be three performances of the 1929 production, all of which will be in Boston. The first will be held the night of the Junior Promenade, February 21, at the Hotel Statler, the other two will be held in John Hancock Hall, Stuart Street, on the nights of March 1 and 2.

Winners by Five Touchdowns in Classic Battle

Technique Puts Up Good Battle But is Handicapped by Lack of Practice

SMITH SCORES 12 POINTS

Too much fumbling, the natural result of insufficient practice, contributed largely to the defeat of "Technique" by THE TECH last Wednesday afternoon. It now turns out that the "Technique" team was deprived of their last regular Sunday morning practice on the Soccer Field by irate residents of the nearby Riverbank Court Hotel. Along with their inability to retain the pigskin when it rightfully belonged to them went their inaptitude for tackling the fast TECH backs, and this was the combination that won the game. The final score was 31-0 in favor of the newbies.

Despite the score, the game was viciously contested, and the tackling and blocking were fairly precise. At no time did either team feel confident of victory until late in the game when THE TECH was sufficiently in the lead to indulge in numerous substitutions. The half ended with the score only 12-0, but the closing whistle found the new-men but a few feet short of a sixth touchdown.

Shortly after two-thirty the powerful TECH aggregation trotted onto

(Continued on Page 4)

CHRISTMAS CONCERT AT LONGWOOD TOWERS

Musical Clubs to Give First Big Program of Year

Following the concert to be given at the Girl's City Club on December 8, the Musical Clubs will turn their attention to preparations for the Christmas concert, which is to be held at Longwood Towers on December 14.

This is the first big event of the Clubs this year. The Christmas concert is a well-known annual event at Technology, and the program this year promises to be even better than formerly.

The concert will commence at 8:30 o'clock, and will be followed by dancing from 10 until 2 o'clock. The tickets are \$4 a couple or \$2.50 for individual tickets.

Soccer Team Praised By West Point Coach

Prior to the soccer game between Technology and West Point, coach Welch received a letter from the West Point coach, an extract of which is the following:

"I know that we shall have a real good game, and we will take care of your comfort while you are here. We have always looked forward to teams visiting from M. I. T.; their clean-cut playing and sportmanship is always noticeable."

—Signed R. W. March
Soccer Coach

STUDENT BUSINESS GROUP PLANS TRIP

Corp XV Will Visit New York in January to Inspect Big Industries

For the past few years Corporation XV has organized a trip for those of its members and any other M. I. T. men who wish to join them to visit the large companies and factories in and about New York. Starting on the Monday after midyear exams are completed they spend about four days visiting industrial plants during the day and having good times at night.

January 28, 1929 a group will leave for New York to see what they can see. Correspondence has already been taken up with different firms for permission to see the executive, manufacturing, and commercial departments of their organizations. It is expected that the group will be allowed to examine the new Hudson River bridge which is well on its way to completion.

If enough men apply in advance for this trip and wish to see certain plays, tickets will be secured beforehand and this will cut down part of the expense. Everyone is entirely at will to do what he pleases during the excursion and a good time is expected for all.

Last year twenty-five men went first to Hartford where they visited the Pratt and Whitney Company which makes precision machine tool instruments. The second day they had the opportunity of seeing the fabricating works and rolling mills of the Bridgeport Glass Company and also the General Electric branch which is located there. The next two days were spent in the vicinity of New York where, the Monroe Calculating Machine Company and the J. Walter Thompson Advertising Company, one of the largest in the world of its kind, were visited. One day was spent in inspecting the plant of the New York Central Railroad.

FRESHMAN ELECTION RESULTS ANNOUNCED

Norman S. Theobald and Thos. E. Sears Are New Members

Thomas E. Sears, Jr. and Norman C. Theobald are the members of the freshman class elected to the Institute Committee at the special election held on November 14. The re-election was necessary due to the fact that the name of one man was omitted from the original ballot.

Sears who is a native of Braintree, Mass., received his preparatory education at Thayer Academy, where he played football, basketball, and baseball. He also sang in the Glee Club and was a member of the Class Committee. At present he is taking Course 15-3.

Theobald comes from Meriden, Conn. where he attended the local high school. He was a member of the tennis team and played in the orchestra besides taking a prominent part in other activities. He is taking Course 15-2.

CIRCUS QUESTION IS AGAIN RAISED AT COMMITTEE

Desirability of Reviving This Campus Activity Will be Considered

INTEREST IS AROUSED

Thorough Investigation Will be Made Before Action is Taken

Appointment of a temporary committee to investigate the desirability of conducting a Circus this year was the outstanding event of the Institute Committee meeting held yesterday afternoon. This committee will decide just what the sentiment among the student body is in regard to the revival of this campus activity.

Last year a motion was passed by the Institute Committee that the Circus be abandoned and recommended that this policy be continued in the future. The Committee feels that the student body should be given the opportunity to express its opinion before this step is taken. It was largely due to the unfavorable attitude of the students that led to the ruling passed last year.

In addition it was stated that the Circus had been gradually developing each year into more or less of a drunken brawl, and that two years ago, it was of such a character that nothing but a bad reflection on Technology was the net result. Lack of a means to control such demonstrations has been one of the chief drawbacks to this event.

At the last Circus, the growth of disinterest among the students was evidenced by the dearth of good booths, floats, ring stunts, and stage events. The program is organized entirely by the students and thus a good Circus is not possible unless they cooperate. In addition a lack of good events is a further stimulus toward promoting the natural trend toward uninterest.

It is planned to thoroughly investigate the situation both pro and con before any measures are taken and it is for this reason that the committee was appointed. George T. Logan '29 is chairman and is assisted by Lawrence C. Hamlin '29, John F. Bennett, president of the Junior Class, Horace S. Ford, president of the Sophomore Class, and Joseph B. Paul, president of the freshman class.

At the same meeting, the election of Thomas E. Sears '32, and Norman Theobald '32 as members of the Institute Committee was accepted. The Dormitory Dance Committee was changed from a class "B" activity and placed under the Dormitory Committee, this was done so that the Dance Committee would not have to prepare a separate budget for the Budget Committee.

N. H. DANIELS '96 TO TALK HERE TONIGHT

Power Projects Will be Topic of Stone & Webster Man

Mr. Nathan H. Daniels '96 will be the speaker this evening at the third dinner meeting of the M. I. T. Branch of the American Institute of Electrical Engineers.

Speaking from his experience with Stone & Webster, he will take for his topic "The Opportunities for Electrical Graduates in the Electrical Industries." He will explain the work done in the various departments of a company engaged in the design, construction and operation of electric power projects, both steam and hydroelectric. Moving pictures, showing some typical projects in the process of construction will serve to illustrate the speakers points.

These meetings are arranged to be of special interest to men in the freshman and Sophomore classes and will give such men an opportunity to see those things for which their courses are fitting them.

About three hundred are expected to attend the dinner that will be given in the North Hall at Walker at six o'clock and the meeting will be brought to a close at eight.

Admission to the dinner will be on the basis of tickets which were issued through Room 4-205 yesterday.

A Record of
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for 47 years.



Official News
Organ of the
Undergraduates
of M. I. T.

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TO THOSE WHO ERR

WHATEVER freshman first uttered the idea that the winning of Field Day by the frosh ended forever and ever the compulsory wearing of the cardinal and gray ties by the Class of 1932 must have had his hat pulled far down over his chin. He was sadly misinformed; and furthermore, those who are giving heed to that cheery but very empty rumor are unconsciously bringing down upon themselves the liability of rather disagreeable punishment. Freshmen, let this once and for all be understood: **Ties are to be worn as specified in the Rules till the annual tie-burning of the second term.** Immediate action by the Rules Committee upon all offenders will most certainly result.

THE CRIMSON EGG

HOW high and mighty seems the college in the eyes of one who is preparing to enter its portals! What a choice morsel lies behind its gates for the hungry one! And when the shell is finally cracked and greedy hands reach for the meat, how many illusions must be shattered! The expected sustenance proves to be but the colorless froth of the white of an egg. Many times the yolk is missing altogether—its discovery is so rare as to seem strange. What should be the fundamental reason for attending college, the desire to lead a fuller life, to earnestly develop intelligence, is too often lacking in the applicant, but more often practically unattainable in the college as it exists today.

Many, many years ago there was laid in Cambridge an egg which has grown to unusual size. Its shell is not difficult to break; its albumen is quite obvious; its yolk, for Harvard has a yolk, has recently been made, by a happy stroke of philanthropy, easier to grasp. The announcement of a gift of three million dollars to form an "inner college" should be of interest to everyone concerned with education. The system will be somewhat analogous to that of Oxford, which is made up entirely of many "inner colleges", although it will be at Harvard but a small part of the University. Some three hundred picked students will be allowed, according to the plan, to form this inner group, this privilege giving them greater social contacts and more broadening influences. Not only will evidences of intelligence be considered in the selection, but care will be taken to get as many different types and classes as possible among the students.

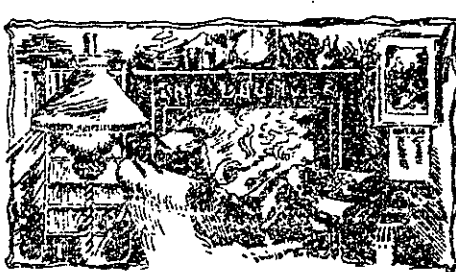
The benefits of culture, of the "broad education", have been stressed a great many times, and our own curriculum wisely includes a certain amount of English, General Studies, and so on. Our supposed motive in coming to the Institute is primarily to get a practical education in order to facilitate material success, and so we have to be reminded occasionally that there are other phases of our mental development which need consideration. It is the more interesting for us to note what other colleges are doing and this coming experiment of our more cultural neighbors should be well worth watching: a spectacle of the chosen few having the advantages of both the intimacy of a small school and the intellectual opportunities of a large university.

PEACE

PRESIDENT-ELECT HERBERT HOOVER has set sail on a long trip to the countries of South America. The powers of Europe have sent representatives to conferences, men have signed treaties and made pledges. All of this expenditure of energy, time and money has been directed toward one goal—World Peace.

But all these things have been done before. Archives of nations have been filled with treaties since time immemorial, and wars continue, as frequent, as barbarous, as useless as ever. To solve this ancient problem the old theories and procedures must be thrown away and in their place a new human equation set up to yield a correct solution.

Technology is taking an important part in the establishing of this equation. This is being accomplished in the first place by the large number of foreign students attending Technology; and secondly by the fact that every Technology graduate is equipped to contribute to the knowledge of the peoples of the world. It may be through railroads, airplanes, motion pictures, radio—but regardless of the medium, the man who contributes, no matter how slightly, to the better understanding of one people for another, does more toward attaining everlasting World Peace than any ministers, treaties, trips, or vows.



The only thing the Lounger has to say against his lusty team of Amazons is that they were more comfortable with their pink chest-protectors around their waists than where they are normally worn. Needless to say, eleven bits of lingerie will be laid away in the hope chests of the Mesdames and their charming Debutante Daughters—"bits" is right, for so rough were the amateurish tactics of the boys on the other side that not a single shoulder ribbon lasted a minute after the party started.

The Lounger sure had to laugh at the way 'snique backfield could never remember who was to carry the ball—the center would deliver the goods all right, but with a fullback, two halves, and the quarter running as interference, nary a soul was left time and again to wait for the pigskin except for a lot of headsup Amazons.

Where in the world do you suppose Betzow learned his charming method of punting? When a man can swing his leg and entirely miss the ball during a punt formation, he could fake almost anything—except necking a Debutante properly; that takes far more technique than any of those boys possess.

Rather faintly and minutely reminiscent of the good old days is the new custom the Lounger has seen started this year. Whereas in the olden times anyone making a touchdown was rewarded with a ducking in a keg of the best beer brewed, now each and every player capable of attending the post-game banquet has the privilege of taking a soothing draught from the new stein trophy as it goes the

rounds of the banquet board. Remarkable how it soothes! Wednesday night it brought more life into a bunch of tired males and Amazons than would have appeared possible from the way they limped around and sat down wherever possible.

"Get this guy Marean!" The Lounger sincerely hopes that never may this peculiarly apt battle-cry be forgotten.

Lobby ventured the observation that in his time the staff and boards of THE TECH devoted their time and energy to publishing a newspaper, and hired their football men. Yes, the Lounger can well remember the times when activity men were capable of doing only one thing.

Ask any football man the trick of distinguishing between one and another group of sardines.

Now that Messers Scheuren and Riley, coach of THE TECH and referee respectfully, have added to their store of football knowledge through the medium of the TECH-'snique game, they will put their experience to good use for Voo Doo next Tuesday against TEN's array of frosh team ringers. The Lounger wonders whether there is enough masculinity in either the Tech Show or Musical Clubs office to stage the sole remaining contest among the Walker activity crowd. Do you suppose?

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Stage

COPLEY: "Marigold."
First American appearance after two years in London.
HOLLIS: "Much Ado About Nothing."
Shakespeare and Mrs. Fiske make jovial entertainment.
MAJESTIC: "A Connecticut Yankee"
Mark Twain and William Gaxton do it.
PLYMOUTH: "Straight Thru the Door."
William Hodge not so hot.
SHUBERT: "The Red Robe"
Pleasant operetta with historical setting.
REPERTORY: "The Tempest"
The actors do well by it.
TREMONT: "Blackbirds"
Glorification of the negro's pep.
ST. JAMES: "Peter Weston"
Well done despite the Great Moral Lesson.
WILBUR: "Coquette"
We're warning you. Last two days to see it.
OPERA HOUSE: "The Ladder"
Boston thumbs its nose at New York and gives it a hand.

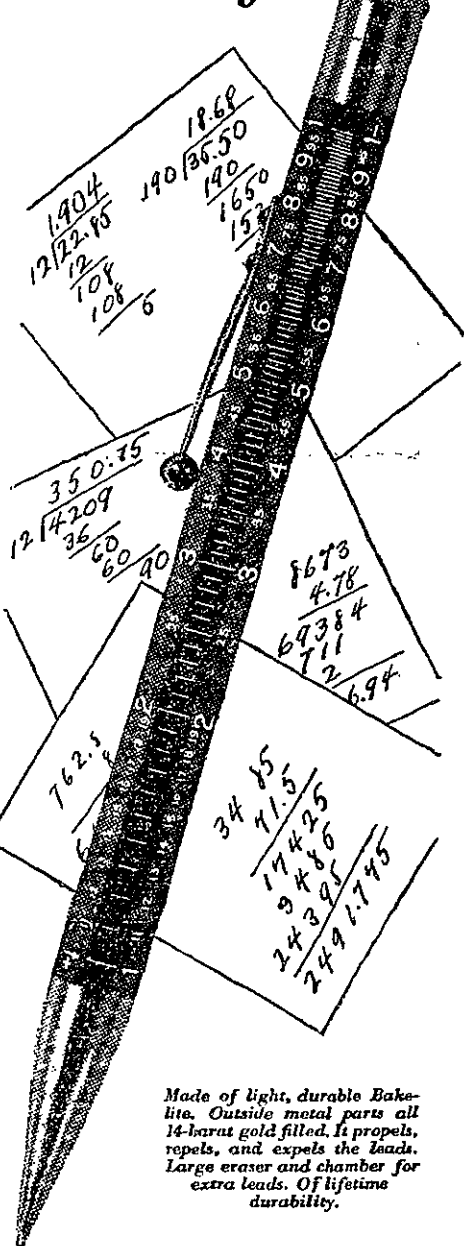
Screen

LOEW'S STATE: "Show People"
It couldn't help being funny with the new Davies-Haines team.
METROPOLITAN: "Manhattan Cocktail"
See and hear Fannie Brice. Picture **OLYMPIA and PENWAY: "The Singing Fool"**
Reviewed Monday.
Jolson still shedding tears to music.
MODERN and BEACON: "Marriage by Contract"
Bunk!
KEITH MEMORIAL: "Tenth Avenue"
Phyllis Haver increases the glycerine in business.

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Send this ad to Dad or Mother today. Maybe they will take the hint. Just the thing, too, for Dad if he has figuring to do. He will learn to use it in a jiffy. The introductory price of the Multi-Vider is only \$6.00—a pocket slide rule and an automatic pencil of the same quality would cost you nearly double. If your bookshop doesn't have it yet, order with this coupon.

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Send me Multi-Vider Pencil with New Instruction Booklet. I enclose \$6. (for each Multi-Vider ordered). (Special terms in quantity). **M.I.T.—11**

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SOCCER TEAM LOSES TO WEST POINT

CAGE MEN START SEASON NEXT WEEK AT NEW BEDFORD

Brockleman and Allen Are to be Nucleus of Team—Should Star This Year

HOLD DAILY SCRIMMAGES

For the past few days the Varsity basketball squad have been having light scrimmages in preparation for the opening game a week from today with New Bedford in the Hangar gym. The scrimmages have been fast and marked with good shooting. Prospects for a winning team this year appear very bright.

Scrimmages are not the most important work for the members of the squad, as it is necessary that they spend a good deal of their time on fundamentals. Much emphasis has been placed on accurate shooting and the men have been trying shots from various corners of the floor.

Allen and Brockleman Do Well
Captain Brockleman and Brig Allen, two of last year's veterans have been doing good work and are practically sure of their respective positions. Brig is a forward and has been concentrating on basket shooting. He has been able to get them in from all corners of the floor and should be one of the team's big scorers. With Brockleman at center Coach McCarthy has the nucleus of a strong team, as he is up to his old form and should give New Bedford plenty to worry about.

Other members of the squad who are likely to see action next Friday are Bates and Nelson, two promising forwards, Lawson and McDowell as guards. Among the members of last year's freshman team that are doing good work this year are: Motter, Coffey, Slattery, Dickinson, and Harrison.

FROSH BASKETBALL SQUAD CUT IN HALF

With a squad of 47 freshmen out for basketball at the beginning of the season the team has been gradually thinned out to a point where only 25 men remain. Of these 25 men there seems to be some very good players among whom are Paul, Rasch, Ross, Ricard, Rhodes, Sears, Weller, and Winkler. These men will probably form the nucleus of the freshmen team. Coaches Ed. Harrigan and Doc. Weddell, the former by the way having successfully coached the freshmen teams for the past 3 years, are rapidly rounding the frosh team into shape for the coming season.

Last Tuesday found the team being put through their first stiff practice. In view of the fact that the team is comparatively green, the outcome was on the whole fairly successful, the passing and the team play being particularly good. As soon as the yearlings appear to be far enough along in the matter of team play Coach Harrigan plans to pit them against the Varsity.

As a solution to parking problems, the students at Northwestern University will park their cars in vacant lots, owned by the university adjoining the campus.

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Hill-and-Dalers Prepare for Big Race at New York

Teams Leave Tomorrow to Enter Annual I.C.A.A.A. Meet With New Hope

As a result of the rather unexplainable poor showing made by the Varsity and freshman cross country teams in the New England boys are putting in a week of strenuous training. They have vowed to come back stronger than ever in the I. C. A. A. A. meet which will be held at Van Cortlandt Park, New York, next Monday. Every day they get out for a stiff work-out under Coach Hedlund, and they intend to make a strong bid for individual and team honors in the final meet of the season.

From the results of the New England it appears that Maine will make a strong bid for national honors this year, and New Hampshire will also be in the running. Although our teams have shown up rather poorly against these strong rivals, the men have done some running in the past that would place them with the best. Thorsen has run the Franklin Park course in nearly as fast time as that of the meet last Monday. Under more favorable conditions, he and the rest of the team should run up a higher score; and they will do just that in the I. C. A. A. A. meet or die in the attempt.

Same Men Go To New York
Coach Hedlund has a great deal of confidence in his men, and intends to take the same line-ups to New York for the I. C. A. A. A. meet. The men who will make the trip are Captain Worthen, Thorsen, Baltzer, DeFazio, McNiff, Herbert, Berry, and Albright for the Varsity, and Captain Gilman, Camerlingo, Littlefield, Conant, Green, Kelley, and Jewett for the freshmen.

ENGINEERS FIGHT HARD IN THE LAST GAME OF THE YEAR

Kashemsanta Scores the Only Cardinal and Gray Goal in 2nd Period

PERSSE IS STAR FOR ARMY

In a game that was finished under flood lights, the Army soccer team defeated the Engineers 5-1 at West Point last Wednesday afternoon. The game was fast from start to finish with the Army mule clearly outplaying the Cardinal and Gray.

Kashemsanta played well for the Beavers scoring the only Engineer goal which came in the second period as a result of a concentrated effort by Vibul, Youngson, and Kashemsanta. That was the only score that the Engineers made; although they had numerous shots at the goal during the last quarter.

Game Opens Fast

Starting the game with a rushing attack the West Pointers got the ball and pressed the Engineer goal, but failed to score. The Engineers came back with a strong attack that nearly resulted in a score. Youngson received a pass from Gutierrez, but he shot over the goal. During the last minute of the quarter, Packard, the army's inside right succeeded in sneaking the ball past Wyman for the first score of the game.

Launching a vigorous attack at the beginning of the second period, the Army succeeded in scoring after four minutes of play. The Cardinal and Gray launched an offense which resulted in Kashemsanta scoring the

only Cardinal and Gray goal which came as the result of a pass from Vibul and Youngson.

Army Scores Again

Coming back strong the Army succeeded in scoring another goal before the period closed. This was scored by Easterbrook. The third period was disastrous for the Engineers as Persse, an inside left scored two more goals thus making the score 5-1. The Cardinal and Gray forwards were not as bad as it might appear, but they had difficulty in placing their shots and as a result failed to score.

During the last period, the Cardinal and Gray was on the offensive, but they could not score. The last period

was played under the Army flood-lights.

M.I.T.-1
Wyman, G. Goldberg, T. L. Purnell, Riehl, L. F. Steinbeck, Hoffman, Milligan, R. H. Sladen, C. T. Cooper, C. H. Brown, D. F. Pahey, C. L. Acklen, Gutierrez, O. Griffith, E. G. Vibul, Danziger, C. F. Murphy, Kashemsanta, I. R. Packard, Youngson, I. L. Persse, Goals—Kashemsanta, Persse 3, Packard, Easterbrook.
Official—Mr. John Hume, New York.
Time—Four 22-minute periods.

Three co-eds have enrolled in the aerial service school at the University of Texas.

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OFFICIAL BULLETIN

CIVIL ENGINEERING

A series of lectures by Kenneth C. Reynolds, Instructor in the Department of Civil Engineering, who has been studying in Germany under a John R. Freeman Traveling Scholarship, on

"Laws of Hydraulic Similitude as Applied to Experiments With Models."

The lectures will be given in Room 1-150, Monday, November 26 at 2 P. M.; Wednesday, November 28 at 3 P. M. and on December 3 and 5, at hours to be announced.

ELECTRICAL ENGINEERING

The Colloquium on "Switching Problems" which was announced for November 26 and 27, has been postponed until the second term.

CALENDAR

Friday, November 23

6:00—A. I. E. E. Dinner and Lecture, Main Hall and Faculty Dining Room.

Monday, November 26

5:00—M. I. T. A. A. Meeting, North Hall, Walker Memorial.

6:00—Alumni Association Dinner Meeting, Faculty Dining Room, Walker Memorial.

Tuesday, November 27

7:30—Tau Beta Pi meeting, West Lounge, Walker Memorial.

7:30—M. I. T. Armenian Club Smoker, North Hall, Walker Memorial.

Wednesday, November 28

6:30—Chemical Engineering Society, Grill Room, Walker Memorial.

8:00—Archimedes Club Dance, North Hall, Walker Memorial.

Notices and Announcements

SQUASH CLUB

All those wishing to sign up for the Squash Club tournament may do so on the sign-up sheets posted in the Track House and by the Cashier's office. Entries close at 5 o'clock Friday.

T. C. A. PICTURES

T. C. A. picture for Technique will be taken on Friday Nov. 23 at 5 o'clock.

Picture of The Benchmark Staff for The Technique will be taken Tuesday, November 27th, at 4:30 P. M. in Room 11-004.

DRAMASHOP PICTURE

A picture of all those connected with the Dramashop will be taken in Homberg Infirmary in Room 11-004 on Monday afternoon at 5:30 o'clock.

DRAMASHOP MEETING

A meeting of all the Dramashop actors and managerial staff will be held in Room 2-176 on Tuesday afternoon at 5 o'clock. All members are urged to be present at this meeting.

JUNIOR OFFICERS' PICTURES

The picture of the Junior Class officers for "Technique" will be taken in the basement of the infirmary at 5:15 o'clock on Tuesday.

JUNIOR PROM PICTURE

The picture of the Junior Prom Committee for "Technique" will be taken this afternoon in the basement of the infirmary at 5:30 o'clock. The Committee is to be in evening dress.

Talk on India is Heard by Faculty

Mr. Danforth Gives Illustrated Lecture on Customs in That Country

"India" was the subject of an illustrated talk given by Mr. William H. Danforth at the Faculty Club Luncheon held in the North Hall of Walker, Wednesday afternoon. Mr. Danforth is president of the Ralston Purina Co. of St. Louis and is a graduate in mechanical engineering from Washington University. He was prominent in Y. M. C. A. work during the war.

The main points of the talk were a description of the Kyber Pass and a discussion of the methods of disposal of the dead on the Ganges River. The talk was illustrated by a series of highly interesting moving pictures.

About fifty persons were present at the meeting. Most of these were members of the faculty, although a few students attended.

INSTITUTE UPHOLDS SCIENCES AND ART

How many men have graduated from Technology without knowing the histories of the men who have been given places of honor by the powers that be? How many students at the Institute could tell you for what each man whose name is inscribed on the exterior of the buildings was famous? One might safely, though perhaps unscientifically assume 99 44/100% of the undergraduate body would slip up in such an endeavor. Most of them never even so much as glance up, but prosaically pursue their grubby little courses out of sight of the great ideals which are supposed to furnish the reason for their presence here.

The Institute seems to favor the physicists, as some of the most conspicuous positions are held by Copernicus, Archimedes, Faraday, and Newton. The chemists are represented in bold lettering by Lavoisier and Pasteur. Darwin holds a prominent position on Building 1, while art and architecture is represented by Leonardo da Vinci. Philosophy and the philosophical sciences are upheld on Building 2 by the names Aristotle and Franklin.

These are the more common names; others are less familiar. For instance popular thought is negligible concerning Guericke, Chladni, Gutenberg, Ict'us, Bulfinch, Thales, Hipparchus, Carnot, Suess, Mosse, Tycho Brahe, Berzelius, and Averroes. Perhaps it might be well to inaugurate a course at the Institute, teaching the reasons for the exalted positions of all these names.

Men Who Have Had Graduate Work in Chemistry Are in Very Great Demand

Students Are Offered Specialized Training for Extensive Field of Research

When interviewed concerning the opportunities and work of the students in the post-graduate courses in chemistry at the Institute, Professor Norris, in charge of graduate students in chemistry, said that at present the demand for men who have had graduate work in chemistry is much greater than the supply. In fact even now in November one of the largest companies employing a chemical staff came to Technology to get men who would graduate in June as last year they asked for some men in May and they had all been taken by other companies. At present Professor Norris receives requests for more men than he has.

Few Men Wish To Teach

It may seem strange to those unknowing of such matters that very few men in graduate work have signified it to be their intention to enter the teaching profession. The reason for this is probably the low salaries paid by most of the educational institutions in the United States. For this reason the art of teaching seems unattractive to the man after finishing seven or eight years in school.

Research Work Favored By Men

Most of the men after finishing graduate work, enter the wide and extensive field of research. The department of graduate students offers specialized training in the fields of Organic, Inorganic and Physical

Chemistry. Many of the men take advantage of this training and then enter into research work in one of these fields.

The men choosing such a future are employed by some of the largest research laboratories. Among the laboratories in which Technology men who have taken graduate work are employed are; Eastman Kodak Company, Du Pont Company, Standard Oil, and many others well known in the field of commerce.

Prepared For Industrial Work

The men taking graduate work have a distinct advantage over men who have only taken the undergraduate work. This is especially noticeable in industrial work. The man who graduates from the regular four year course leading to the baccalaureate degree, upon getting into industrial work, usually must serve an apprenticeship in which some analytical work must be done. This is unnecessary for the man who has done graduate work. Last year one of the men who had received his PhD working in the employ of the Eastman Kodak Co. discovered a process for making non-inflammable film, which is now used by the company.

Research Ability Needed

The regular course in graduate work requires 3-4 years' study which leads toward a PhD. In order to receive this degree the students must spend about a year and a half in preparing a thesis which must be a contribution to Chemistry and be worthy of detailed publication.

THE TECH WINS IN ANNUAL CONTEST

Large Stein Presented Winners Instead of Loving Cup

(Continued from Page 1)

the field, garbed in grey uniforms and pink brassieres (we stand corrected if our spelling is at fault here). The unusual aspect of the team's appearance was traced back to "Technique's" acceptance of "the mesdames and their debutante daughters" challenge. Attired to suit their parts in the pageant, the newswriters felt that nothing was lacking for revenge for such an insulting reference to their masculinity. Events soon proved that their vindication would be complete.

Two touchdowns were scored in the first half, although neither try for the extra point was successful. A "Technique" fumble was recovered by THE TECH near the yearbook's goal, and on the second or third play following, Houston carried the ball over for a touchdown. Shortly afterward, Davis returned a punt forty yards for the second score. The second quarter was without any notable features, as both teams were too exhausted to threaten to score.

The third quarter found the teams considerably refreshed, and the first period was practically duplicated. Smith broke away on an end run for the third score, and this time the try for point was successful. Kamy plunging over to bring the total to nineteen. Kamy accounted for the fourth touchdown, and two plays, one a long pass, Smith to Rouse, and the second an end run by Smith, concluded the scoring. The fourth quarter was shortened from ten minutes to eight by agreement.

Following the game, "Technique" entertained at a banquet at the University Club, at which Assistant-Dean Harold F. Lobdell '17, THE TECH teams, coach John I. Scheoven '30, and Referee Philip T. Riley '30 were guests. At the conclusion of the dinner a new tradition was inaugurated with the presentation of a stein to the victorious team by the losers. The stein was duly passed around the board, and rumor hath it that none were averse to moistening their lips with its cooling contents.

HOCKEY TEAM HOLDS MEETING ON MONDAY

At a mass meeting, for all men interested in Hockey, Captain White, will address the candidates in Room 1-190 at 5 o'clock Monday. It will be a lively rally, and a fitting start for a victorious hockey season. Captain White will speak on the prospects of this year's team, and will give many pointers that will be valuable to freshman candidates. All men are urged to bring their eligibility cards.

To the present schedule of the Hockey schedule for the Varsity, has been recently added a game with Norwich at the North Station Arena, Dec. 17, and a game with the University of Pennsylvania at Philadelphia. Crosby who will play on this year's Varsity team will not act as Captain, as was previously stated, the position to be filled by White, who was a strong offensive man last year.

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Dear Sirs:

Two years ago last winter I went into the Red Lake gold fields in Canada. It was a tough trail from Hudson, over 140 miles of snow and ice. There were fourteen of us on the trail going in, and frequently at night when seated around a big camp fire, some one would ask me for a pipeful of Edgeworth. These Canadian boys sure like our Edgeworth.

In four weeks' time I ran out of Edgeworth. I was glad to get 'most any old tobacco.

One day, however, I dropped in to Dad Brown's tent, a 72-year-old prospector, and seeing a can of Edgeworth on an improvised table, back there 150 miles from the "steel," I perked up at once, saying, "Dad, I'm plum out of tobacco—how's chances for a pipeful?" "Help yourself," he said. So pulling my heavy duty pipe from my pocket, I loaded it with Edgeworth, packing it in so tightly that I couldn't get the least bit of a draw.

I excused myself for a moment, and stepped outside to remove about three pipefuls to put in my pouch. Dad stepped out, saying, "You're worse than any Scotchman I ever saw." Then I confessed. I told him what happened to my Edgeworth—that I was just dying for a smoke, and he understood right away. He said, "Boy, Edgeworth is mighty scarce in these parts, but I reckon I can spare what's left of that can. Help yourself."

You can just bet your last nickel that I guarded this Edgeworth with extreme care until I got back to the "steel."

Yours very truly,
C. M. Bahr

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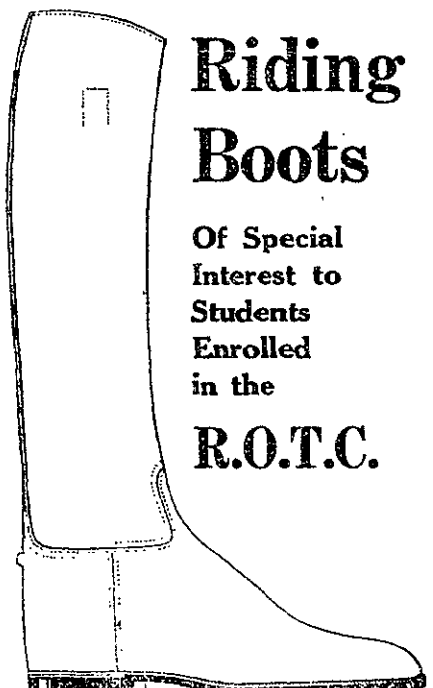
IN THE TRANSCRIPT
FOOTBALL EXTRA

SATURDAY, NOVEMBER 24

Running Story and Statistics of the Game with Highlights
Stressed and Strategy Analysed

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